

## KENTUCKY RIVER AUTHORITY

### Proposed Projects Involving the State General Fund (cash or bonds)\*

Priority			
<u>Cabinet</u>	<u>Agency</u>	<u>Project Title / Description</u>	<u>Total Budget</u>

#### 2006-2008

- |   |  |   |                    |
|---|--|---|--------------------|
| 1 |  | <b>Ky. River Lock Renovations</b><br>This project will renovate Locks 1 through 5 in order to maintain a reasonable area for recreational boating and access to the Ohio River. | <b>\$5,200,000</b> |
|---|--|---|--------------------|

#### 2008-2010

- |  |  |  |                     |
|--|--|--|---------------------|
|  |  | <b>Ky. River Lock Renovations</b><br>This project is to renovate Locks 1 through 4 in order to maintain access to the Ohio River and a reasonable area of access for recreational boaters. | <b>\$10,000,000</b> |
|--|--|--|---------------------|

#### 2010-2012

- |  |  |  |                    |
|--|--|--|--------------------|
|  |  | <b>Ky. River Lock Renovations</b><br>This project is to renovate Locks 1 through 4 in order to maintain a reasonable area of the Ky. River for recreational boaters and access to the Ohio River. In this biennium Lock 4 will be renovated. | <b>\$4,800,000</b> |
|--|--|--|--------------------|

#### \*Notes

- Unless otherwise indicated, the total budget would be financed from the state General Fund (cash or bonds).
- Priority rankings were required to be assigned only to those projects proposed for 2006-08; projects for 2008-10 and 2010-12 are listed in alphabetical order.
- Descriptions are as provided in the "Brief Description and Justification" field of the agency's capital plan submission.

## KENTUCKY RIVER AUTHORITY

### Proposed Projects NOT Involving the State General Fund

<u>Project Title / Description</u>	<u>Total Budget</u>	<u>Source(s)</u>
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#### 2006-2008

<b>KRWSE-Dam 10 Real Estate &amp; Dam 9 Reconstruction</b>	<b>\$24,662,000</b>	<b>RF/AB</b>
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This project is to renovate and modify the existing locks and dams on the Kentucky River to secure the structures against failure or major leakage losses, and to add water storage capacity. This plan includes renovation of Dam 9 to secure the Lexington water supply and modification of Dam 10 to supplement the water supply in a drought. Increasing the height of Dam 10 by 6 feet, will add approximately 1.6 billion gallons of new water storage. This project is our top priority because it provides \$19.2 million in federal funding and the greatest amount of new storage per foot of elevation increase in the dam. Additional water storage will be needed by other dam modifications to fully manage a major drought in the Bluegrass Region. Selection of additional sub-projects will depend on funding opportunities and action by other groups to acquire water supply from other sources. The Authority requests authorization to make these modifications in the project, to achieve the project objective of additional water storage.

During the 2006-2008 biennium the project at Dam 10 will be in final design, environmental mitigation will be completed and 2/3 of the real estate and infrastructure improvements will be completed. All construction of replacement of Dam 9 will be completed.

<b>Ky. River Dam Maintenance Pool</b>	<b>\$1,000,000</b>	<b>RF</b>
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The 14 Locks and Dams on the Kentucky River are all approximately 100 or more years old. Construction safety standards for dams were non-existent when these structures were built. The current owner, the U.S. Army Corps of Engineers, has done only minor maintenance on most of the dams in the last 20 years. Maintenance on the locks in that period has been minimal. It is imperative that stabilization repairs are done to maintain the water supply pools created by the dams. This project is to provide funds for temporary stabilization repairs to the various components of the locks and dams as they become critical, until major renovations are started.

#### 2008-2010

<b>KRWSE-Dam 10 Construction</b>	<b>\$12,937,000</b>	<b>AB</b>
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This project is to renovate and modify the existing locks and dams on the Kentucky River to secure the structures against failure or major leakage losses, and to add water storage capacity. This plan includes only renovation and modification of Dam 10. Increasing the height of Dam 10 by 6 feet, will add approximately 1.6 billion gallons of new water storage. This project is our top priority because it provides \$19.2 million in federal funding and the greatest amount of new storage per foot of elevation increase in the dam. Additional water storage will be needed by other dam modifications to fully manage a major drought in the Bluegrass Region. Selection of additional sub-projects will depend on funding opportunities and action by other groups to acquire water supply from other sources. The Authority requests authorization to make these modifications in the project, to achieve the project objective of additional water storage.

<b>Ky. River Dam Maintenance Pool</b>	<b>\$1,000,000</b>	<b>RF</b>
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The 14 Locks and Dams on the Kentucky River are all approximately 100 or more years old. Construction safety standards for dams were non-existent when these structures were built. The current owner, the U.S. Army Corps of Engineers, has done only minor maintenance on most of the dams in the last 20 years. Maintenance on the locks in that period has been minimal. It is imperative that stabilization repairs are done to maintain the water supply pools created by the dams. This project is to provide funds for temporary stabilization repairs to the various components of the locks and dams as they become critical, until major renovations are started.

Project Title / Description

Total Budget

Source(s)

**2010-2012**

**KRWSE-Dam 10 Construction**

**\$4,318,000**

**AB**

This project is to renovate and modify the existing locks and dams on the Kentucky River to secure the structures against failure or major leakage losses, and to add water storage capacity. This plan includes only renovation and modification of Dam 10. Increasing the height of Dam 10 by 6 feet, will add approximately 1.6 billion gallons of new water storage. This project is our top priority because it provides \$19.2 million in federal funding and the greatest amount of new storage per foot of elevation increase in the dam. Additional water storage will be needed by other dam modifications to fully manage a major drought in the Bluegrass Region. Selection of additional sub-projects will depend on funding opportunities and action by other groups to acquire water supply from other sources. The Authority requests authorization to make these modifications in the project, to achieve the project objective of additional water storage.

**Ky. River Dam Maintenance Pool**

**\$1,000,000**

**RF**

The 14 Locks and Dams on the Kentucky River are all approximately 100 or more years old. Construction safety standards for dams were non-existent when these structures were built. The current owner, the U.S. Army Corps of Engineers, has done only minor maintenance on most of the dams in the last 20 years. Maintenance on the locks in that period has been minimal. It is imperative that stabilization repairs are done to maintain the water supply pools created by the dams. This project is to provide funds for temporary stabilization repairs to the various components of the locks and dams as they become critical, until major renovations are started.

**\*Notes**

- Priority rankings were required to be assigned only to those projects proposed to be financed from the state General Fund (cash or bonds) in 2006-08; all other projects are listed in alphabetical order.
- Descriptions are as provided in the "Brief Description and Justification" field of the agency's capital plan submission.
- Sources: AB = Agency Bonds; FF = Federal Funds; RF = Restricted Funds; OT = Other Funds; TF = Road Fund